

GENERAL NOTES

1.

AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT OF DEVELOPMENT SERVICES PRIOR TO THE START OF ANY CONSTRUCTION WITHIN THE LIMITS OF THE PUBLIC RIGHT-OF-WAY INCLUDING BUT NOT LIMITED TO UTILITY CONNECTIONS OR GRADING.
2.

ACCEPTANCE OF THESE IMPROVEMENTS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
3.

ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, TESTED AND CONNECTED PRIOR TO CONSTRUCTION OF BERMS, CURBS, CROSS-GUTTERS, SIDEWALKS, RETAINING WALLS OR FINAL PAVING.
4.

THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORD DATA AND FIELD SURVEYS. TO THE BEST OF OUR KNOWLEDGE, EXISTING FACILITIES ARE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITIES SHOWN HEREON AND TO MAKE A REASONABLE AND DILIGENT SEARCH TO DETERMINE ANY OTHER WHICH ARE NOT OF RECORD OR NOT SHOWN ON THESE PLANS AND TO PROTECT THE SAME. ANY FACILITIES SO LOCATED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND INCLUDED ON THE AS-BUILT DRAWINGS FOR THIS PROJECT.
5.

LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING EXPLORATORY EXCAVATIONS AND LOCATING EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO ALLOW FOR REVISIONS TO THE PLANS IF REVISIONS ARE NECESSARY BECAUSE OF CHANGES IN LINE OR GRADE DUE TO THE ACTUAL LOCATION OF THE EXISTING FACILITIES.
6.

THE CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS AND ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR S.D.G. & E. FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. FOR LOCATION OF ELECTRICAL CABLES AND GAS PIPING AND APPURTENANCES CONTACT THE UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA AT: DIAL 811.
7.

THE CONTRACTOR SHALL NOTIFY THE AT&T TELEPHONE COMPANY PRIOR TO STARTING WORK NEAR AT&T FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. NOTICE: FOR LOCATION OF CABLES AND APPURTENANCES CONTACT THE UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA AT: DIAL 811.
8.

THE CONTRACTOR SHALL NOTIFY PADRE DAM MUNICIPAL WATER DISTRICT 48 HRS. PRIOR TO STARTING WORK NEAR PADRE DAM FACILITIES AND SHALL COORDINATE THEIR WORK WITH DISTRICT REPRESENTATIVES. FOR LOCATION OF WATER AND SEWER FACILITIES AND APPURTENANCES CONTACT THE UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA AT: DIAL 811.
9.

THE CONTRACTOR SHALL NOTIFY COX CABLE TV PRIOR TO STARTING WORK NEAR COX CABLE FACILITIES AND SHALL COORDINATE THEIR WORK WITH COMPANY REPRESENTATIVES. FOR LOCATION OF CABLES AND APPURTENANCES CONTACT THE UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA AT: DIAL 811.
10.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS, AND COORDINATE RELOCATION'S, IF NEEDED.
11.

POWER SOURCES AND RUNS SERVING STREET LIGHTS SHALL BE SHOWN ON THE "AS-BUILT" IMPROVEMENT DRAWINGS. ALL SOURCES SHALL BE LOCATED WITHIN THE DEDICATED RIGHT-OF-WAY, OR WITHIN EASEMENTS DEDICATED TO THE CITY OF SANTEE.
12.

CITY OF SANTEE - INSPECTION REQUIREMENTS:

A.

CONTRACTOR SHALL INFORM THE CITY PROJECT ENGINEER 48 HRS. IN ADVANCE OF COMMENCING WORK. PHONE (619) 258-4100 EXT 168.

B.

THE CONTRACTOR SHALL GIVE A MINIMUM OF 24 HRS. NOTICE ON REQUESTS FOR INSPECTION. PHONE (619) 258-4100 EXT. 168.

C.

ANY WORK PERFORMED WITHOUT THE BENEFIT OF INSPECTION IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
13.

THE CONTRACTOR SHALL RELOCATE STREET SIGNS WHEN CONDITIONS SO DICTATE. CONTRACTOR SHALL PROTECT AND ASSUME RESPONSIBILITY FOR ALL OTHER TRAFFIC CONTROL DEVICES. CONTRACTOR SHALL REPLACE TRAFFIC STRIPING, STREET MARKINGS, AND CURB MARKINGS REMOVED OR DAMAGED BY HIS WORK.
14.

SIDEWALK JOINT LOCATIONS SHALL BE INSTALLED IN ACCORDANCE WITH REGIONAL STANDARD DRAWING NO. G-9. CURB OR CURB AND GUTTER JOINT LOCATIONS SHALL INCLUDE EXPANSION JOINTS AT CURB RETURNS, ADJACENT TO WALLS AND STRUCTURES AND AT 45 FOOT INTERVALS. WEAKENED PLANE JOINTS SHALL BE PLACED EVERY 15' AND GROOVED JOINTS PLACED EVERY 5'. ALL CONCRETE JOINTS SHALL CONFORM TO REGIONAL STANDARD DRAWING NO. G-10. SIDEWALKS SHALL BE REMOVED TO THE NEAREST JOINT.
15.

SIDEWALKS AND BIKEPATHS ARE DESIGNED TO HAVE CLEAR UNOBSTRUCTED ACCESS. THESE FACILITIES SHALL BE KEPT CLEAR OF STREET LIGHTS, FIRE HYDRANTS, METER BOXES, TRANSFORMERS, ELECTRICAL PULL BOXES, BLOWOFFS, AIR VENTS OR OTHER SIMILAR OBSTRUCTIONS AT ALL TIMES AND SHALL MAINTAIN 4' MINIMUM CLEARANCE.
16.

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ADEQUACY OF DESIGN AND CONSTRUCTION IN ACCORDANCE WITH THE SPECIFIED GENERAL STANDARDS OF CONSTRUCTION LISTED HEREON, AND TO PROTECT THE WORK AT ALL TIMES DURING THE COURSE OF CONSTRUCTION. FAILED OR DAMAGED WORK SUCH AS CRACKED SIDEWALKS, CURB AND GUTTER, CROSS GUTTERS, DRIVEWAY APRONS AND SO FORTH, SHALL BE REPLACED TO THE NEAREST JOINT OR SCORE LINE IN EACH DIRECTION PRIOR TO PLACEMENT OF THE FINAL PAVEMENT COURSE.
17.

THE CONTRACTOR SHALL ENFORCE SAFETY MEASURES AND REGULATIONS INCLUDING THE DESIGN, CONSTRUCTION AND MAINTENANCE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
18.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, DISPOSAL, AND COORDINATION OF ALL PRIVATE FACILITIES, FENCES, WALLS, DEBRIS, LANDSCAPING AND IRRIGATION WITHIN THE RIGHT OF WAY WHICH REQUIRES REMOVAL FOR CONSTRUCTION PURPOSES. EACH INDIVIDUAL OWNER EFFECTED SHALL BE NOTIFIED 5 DAYS IN ADVANCE PRIOR TO DEMOLITION OR REMOVAL OF PRIVATE PROPERTY WITHIN THE RIGHT OF WAY.
19.

NO WORK OUTSIDE THE RIGHT OF WAY SHALL BE CONDUCTED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE CITY.
20.

SOME UTILITIES MAY BE RELOCATED BY THE UTILITY COMPANIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THAT ALL UTILITIES ARE RELOCATED PRIOR TO START OF WORK BY CONTACTING THE CITY.
21.

CONTRACTOR SHALL POSSESS A CLASS "A" CONTRACTORS LICENSE AT THE TIME OF BID SUBMISSION.

STORMWATER POLLUTION PREVENTION NOTES:

1.

APPROPRIATE EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AT ALL TIMES.
2.

THE TOPS OF ALL SLOPES SHALL HAVE A DIKE OR TRENCH TO PREVENT WATER FROM FLOWING OVER THE CRESTS OF SLOPES.
3.

CLEAN GRAVEL ONLY SHALL BE USED IN GRAVEL BAGS.
4.

CATCH BASINS, DESILTING BASINS, GRAVEL BAGS, CHECK DAMS AND STORM DRAIN SYSTEMS SHALL BE INSTALLED TO THE SATISFACTION OF THE CITY ENGINEER. THESE FACILITIES SHALL BE CLEANED ON A REGULAR BASIS, AND KEPT FREE OF SOIL ACCUMULATION.
5.

GRAVEL BAG CHECK DAMS SHALL BE PLACED IN UNPAVED AREAS WITH GRADIENTS IN EXCESS OF 2%, IN OTHER GRADED OR EXCAVATED AREAS AS REQUIRED BY THE DEPARTMENT OF DEVELOPMENT SERVICES, AND AT OR NEAR EVERY POINT WHERE CONCENTRATED FLOWS LEAVE THE DEVELOPMENT.
6.

GRAVEL BAGS SHALL BE PLACED ON THE UPSTREAM SIDE OF ALL DRAINAGE INLETS TO MINIMIZE SILT BUILDUP IN THE INLETS AND PIPES.
7.

THE CONTRACTOR SHALL IMMEDIATELY REPAIR ANY ERODED SLOPES.
8.

ROADWAYS AND ENTRANCES TO AND FROM THE SITE SHALL BE SWEEPED ON A REGULAR BASIS TO KEEP THEM FREE OF SOIL ACCUMULATION.
9.

CONTRACTOR SHALL HAVE WATER TRUCKS AND EQUIPMENT ON-SITE TO MINIMIZE AIRBORNE DUST CREATED FROM GRADING AND HAULING OPERATIONS OR EXCESSIVE WIND CONDITIONS. WATERING SHALL BE PERFORMED ON A CONTINUOUS BASIS ANY TIME THESE CONDITIONS ARE PRESENT AND AT ALL OTHER TIMES AS DIRECTED BY THE CITY ENGINEER. ADDITIONAL DUST CONTROL MEASURES SHALL BE IMPLEMENTED AS NEEDED.
10.

STOCKPILES SHALL BE COVERED AT THE END OF EACH WORKING DAN AND PRIOR TO PREDICTED RAIN EVENTS. ASPHALT SHALL BE STORED ON A LAYER OF PLASTIC SHEETING, OR EQUIVALENT.
11.

ALL PORTABLE TOILETS SHALL HAVE A SECONDARY CONTAINMENT AND NOT BE LOCATED NEAR A STORM DRAIN (I.E. CATCH BASIN OR STREET).
12.

INACTIVE SLOPES SHALL BE PROTECTED AND STABILIZED WITHIN 10 CALENDAR DAYS OF LAST BEING WORKED, OR ON THE DIRECTION OF THE CITY. ACTIVE SLOPES SHALL BE STABILIZED DURING RAIN.
13.

VEHICLE MAINTENANCE, REPAIR AND STORAGE BMPS WILL BE IMPLEMENTED INCLUDING: USE OF DRIP PANS OR EQUIVALENT UNDER VEHICLE STORED OVERNIGHT; DAILY INSPECTION FOR LEAKS AND SPILLS; PROMPT REMOVAL OF SPILLS; AVAILABILITY OF OIL-ABSORBENT SPILL REMOVAL MATERIALS ON SITE.
14.

HEAVY EQUIPMENT WILL NOT BE STORED ON THE PUBLIC RIGHT-OF-WAY.
15.

TRASH SHALL BE PLACED IN DUMPSTERS. OFFCUTS FROM FRAMING WILL BE STORED APPROPRIATLY AND NOT ALLOWED TO ACCUMULATE IN STOCKPILES AROUND THE SITE.
16.

TRASH DUMPSTERS WILL HAVE LIDS. THE LIDS WILL REMAIN CLOSED AND THE DUMPSTERS WILL NOT BE OVERFILLED. ADDITIONAL TRASH PICK UPS SHALL BE MADE AS NECESSARY.
17.

LIQUID MATERIALS WILL BE STORED IN CLOSED CONTAINERS IN SECONDARY CONTAINMENT AND UNDER COVER. SOLID MATERIALS WILL BE STORED ON PALLETS AND BE COVERED DURING RAIN.
18.

A MATERIALS WASHOUT WILL BE AVAILABLE ONSITE WHENEVER LIQUID MATERIALS ARE USED. THE WASHOUT WILL FULLY CONTAIN THOSE MATERIALS AND THE SURROUNDING AREA SHALL BE KEPT FREE OF SPILLS.
19.

DISCHARGE OF POTABLE WATER (SUCH AS FROM POWERWASHING OR FILLING WATER TRUCKS) SHALL BE PREVENTED.
20.

125 PERCENT OF THE MATERIALS REQUIRED TO MAINTAIN STORM WATER BMPS SHALL BE PRESENT ON THE SITE AT ALL TIMES.
21.

STORMWATER CONTROL MEASURES SHOWN HEREON ARE BEST MANAGEMENT PRACTICES FOR THIS SITE BASED ON THE ANTICIPATED PROGRESS OF THE WORK. ADDITIONAL MEASURES MAY BE REQUIRED AT ANY TIME AT THE DISCRETION OF THE CITY ENGINEER AS THE WORK PROGRESSES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ADEQUATE PROTECTION IS IN PLACE AT ALL TIMES TO PREVENT ANY DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENT, FROM THE EXPOSED SITE AREAS. BMPS WILL BE MAINTAINED UNTIL REMOVAL.
22.

SILT FENCING SHALL BE INSTALLED AROUND THE PERIMETER OF ALL GRADING WORK AND THE PERIMETER OF THE IMPROVEMENT AREA.

LEGAL DESCRIPTION:

SITE ADDRESS: MAGNOLIA AVE SANTEE, CA 92071



ENGINEER OF WORK'S DESIGN CERTIFICATION

I, MINJIE MEI, HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

SIGNED:

*Minjie Mei*

R.C.E. # (59103), MY REGISTRATION EXPIRES ON 6/30/2023

DATE: 10/13/2021

CONSTRUCTION RECORD	REFERENCES	DATE	BY	REVISIONS	ACPTD
CONTRACTOR					
INSPECTOR					
DATE COMPLETED					

BENCH MARK

SCALE

HORIZ: N/A

VERT: N/A

DESIGNED BY

J. MORGAN

PLANS PREPARED UNDER THE SUPERVISION OF

NAME MINJIE MEI

RCE NO. 59103

DRAWN BY

J. MORGAN

CHECKED BY

M. MEI

REVIEWED

*Minjie Mei*

DATE 10/1/2021

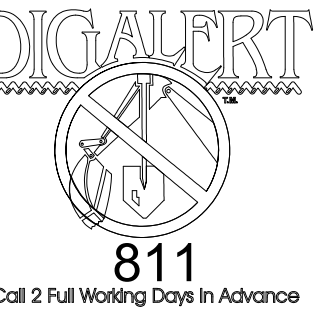
EXPIRES 6/30/2023

BY PROJECT ENGINEER

CITY OF SANTEE

TITLE SHEET FOR:

MAGNOLIA AVE TRAFFIC SIGNAL UPGRADES



CITY OF SANTEE			
PLANNING DIVISION			
PROJECT PLANNER	<i>Chris Jones</i>	10/13/2021	DATE
TRAFFIC SECTION	<i>Minjie Mei</i>	10/13/2021	DATE
PRINCIPAL TRAFFIC ENGINEER			

ABBREVIATIONS:

AB	ABANDONED
AC	ASPHALT CONCRETE
B.O.	BLOW OFF VALVE
C&G	CURB AND GUTTER
CB	CATCH BASIN
CBM	CONSTRUCTION BENCH MARK
EX	EXISTING
FG	FINISH GRADE
FL	FLOW LINE
LT	LEFT
MH	MANHOLE
OHE	OVER HEAD ELECTRIC
PCC	PORTLAND CEMENT CONCRETE
PP	POWER POLE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RT	RIGHT
ROW	RIGHT OF WAY
RW	RECYCLED WATER
SDRSD	SAN DIEGO COUNTY REGIONAL STANDARD DRAWINGS
SDMH	STORM DRAIN MANHOLE
SL	STREET LIGHT
TC	TOP OF CURB
TF	TOP OF FOOTING
X-ING	CROSSING

LEGEND:

ITEM:	EXISTING	NEW
RIGHT-OF-WAY	— R/W —	N/A
TELEPHONE	— T —	N/A
CABLE TV	— C —	N/A
ELECTRIC	— E —	N/A
SEWER	— (MH) — SS —	N/A
WATER	— W —	N/A
RECYCLED WATER	— RW —	N/A
GAS	— G —	N/A
STORM DRAIN	— SD — SD —	N/A
STREETLIGHT CONDUIT	— SL —	N/A
POWER POLE	— Opp —	N/A
TRAFFIC SIGNAL CONDUIT	— TS —	— TS —
INTERCONNECT CONDUIT	— IC EX —	— IC NEW —
TRAFFIC SIGNAL CABINET	⊠	⊠
TRAFFIC SIGNAL SERVICE CABINET	◼	N/A
PULL BOX	◻	◻
CURB AND GUTTER	=====	=====
CONCRETE SIDEWALK / CROSS GUTTER	=====	=====
CONSTRUCTION NOTE	XX	

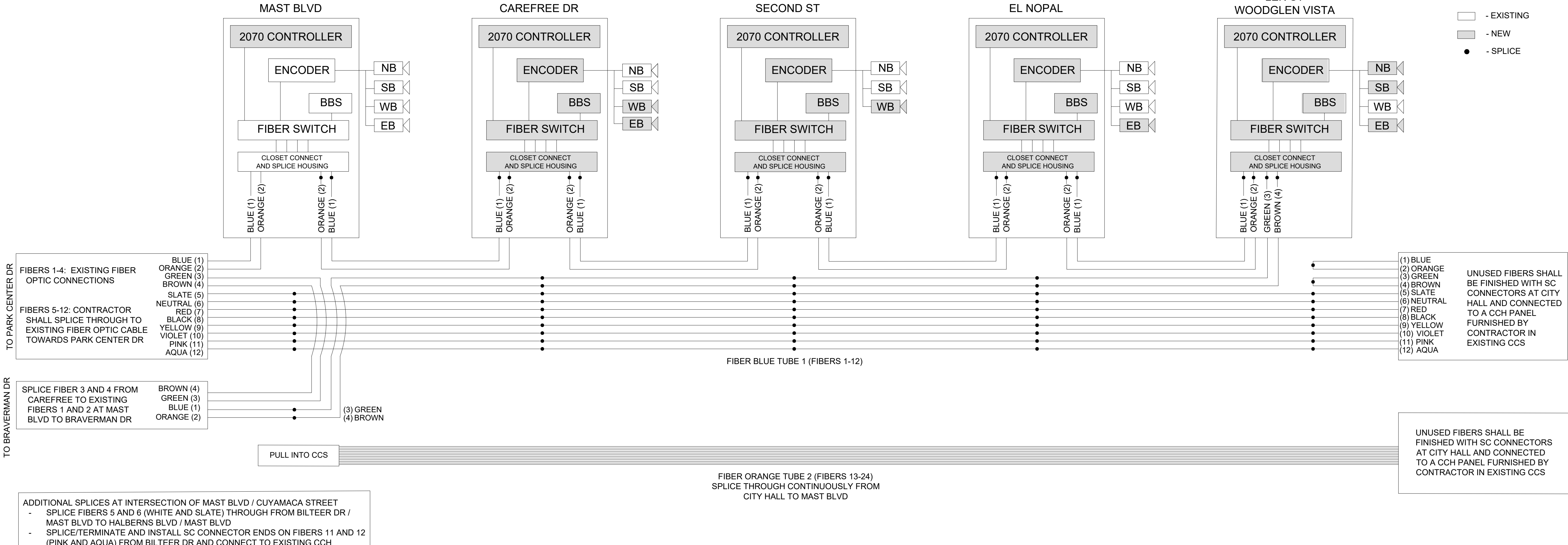
\* ALL DIMENSIONS IN FEET UNLESS OTHERWISE SHOWN

AS-BUILT

SIGNATURE RCE NUMBER DATE



# FIBER CONNECTION OVERVIEW




## EQUIPMENT SCHEDULE

ITEM	ITEM DESCRIPTION	LOCATION QUNATITY					TOTAL QUANTITY
		MAST BLVD	CAREFREE DR	SECOND ST	EL NOPAL	WOODGLEN VISTA / LEN ST	
332L CABINET	TYPE 332-L ANODIZED WITH BEST LOCKS, DOOR ALARMS, LIGHTS, AND POWER STRIP (MCCAIN PART NUMBER M42348) BRUSHED ALUMINUM IN COLOR	0	1	1	1	1	4
CONTROLLER	MCCAIN 2070LX WITH OMNI EX SOFTWARE	1	1	1	1	1	5
CONFLICT MONITOR	2010ECLIP	0	1	1	1	1	4
FIBER CONNECTIONS	CORNING CLOSET CONNECT AND SPLICE HOUSING (CCS) MODEL CCS01U WITH CORNING CLOSET CONNECTOR HOUSING PANEL (CCH) MODEL CCH-CP12-59 AND CORNING SPLICE TRAY MODEL M67-048	0	1	1	1	1	4
FIBER SWITCH	ETHERWAN EX73924-0VB ETHERNET SWITCH WITH ETHERWAN EPOW-24-60 POWER SUPPLY AND TWO ETHERWAN EX-1250TSP-MB4L-AS FIELD HARDENED 1GB SFP MODULES	0	1	1	1	1	4
VIDEO ENCODER	AXIS ENCODER P7304	0	1	1	1	1	4
VIDEO DETECTION SYSTEM	ITERIS VANTAGE SYSTEM WITH LATEST SOFTWARE, MOUSE, 6' PELCO MOUNTS CAMERA MOUNTS, AND SURGE PAN DIN RAIL MOUNTED BREAKER BAR	0	2	1	1	3	7
VIDEO MONITOR	RACK MOUNT 17"	0	1	1	1	1	4
BBS SYSTEM AND CABINET	SIDE MOUNT BBS CABINET ANODIZED WITH BEST LOCK (MCCAIN PART # M64438A) BRUSHED ALUMINUM IN COLOR WITH BATTERY BACKUP UNIT (ALPHA FXM 110 WITH ALPHAGUARD AND 4 ALPHACELL 150XTV EXTREME TEMPERATURE BATTERIES)	0	1	1	1	1	4
NEW FOUNDATION	ES-3C OF THE CALTRANS STANDARD PLANS	0	1	1	1	1	4
REWIRE INTERSECTION	PER PROJECT SPECIFICATIONS	0	1	1	0	1	3
INTALL CITY SUPPLIED POLERA PEDESTRIAN PUSH BUTTON SYSTEM	INSTALL POLERA IN2 PEDESTRAIN PUSH BUTTON SYSTEM AND ADJUST TO 40" IN HEIGHT FROM CONCRETE	0	1	1	1	1	4

NOTE:

1. ALL EQUIPMENT/MATERIAL MAKE AND MODELS ARE AS SHOWN OR APPROVED EQUAL
2. EQUIPMENT IN THE TABLE ABOVE IS FOR REFERENCE ONLY. ADDITIONAL EQUIPMENT/MATERIALS MAY BE REQUIRED TO COMPLETE WORK AS SHOWN ON PLANS AND IN THE SPECIFICATIONS

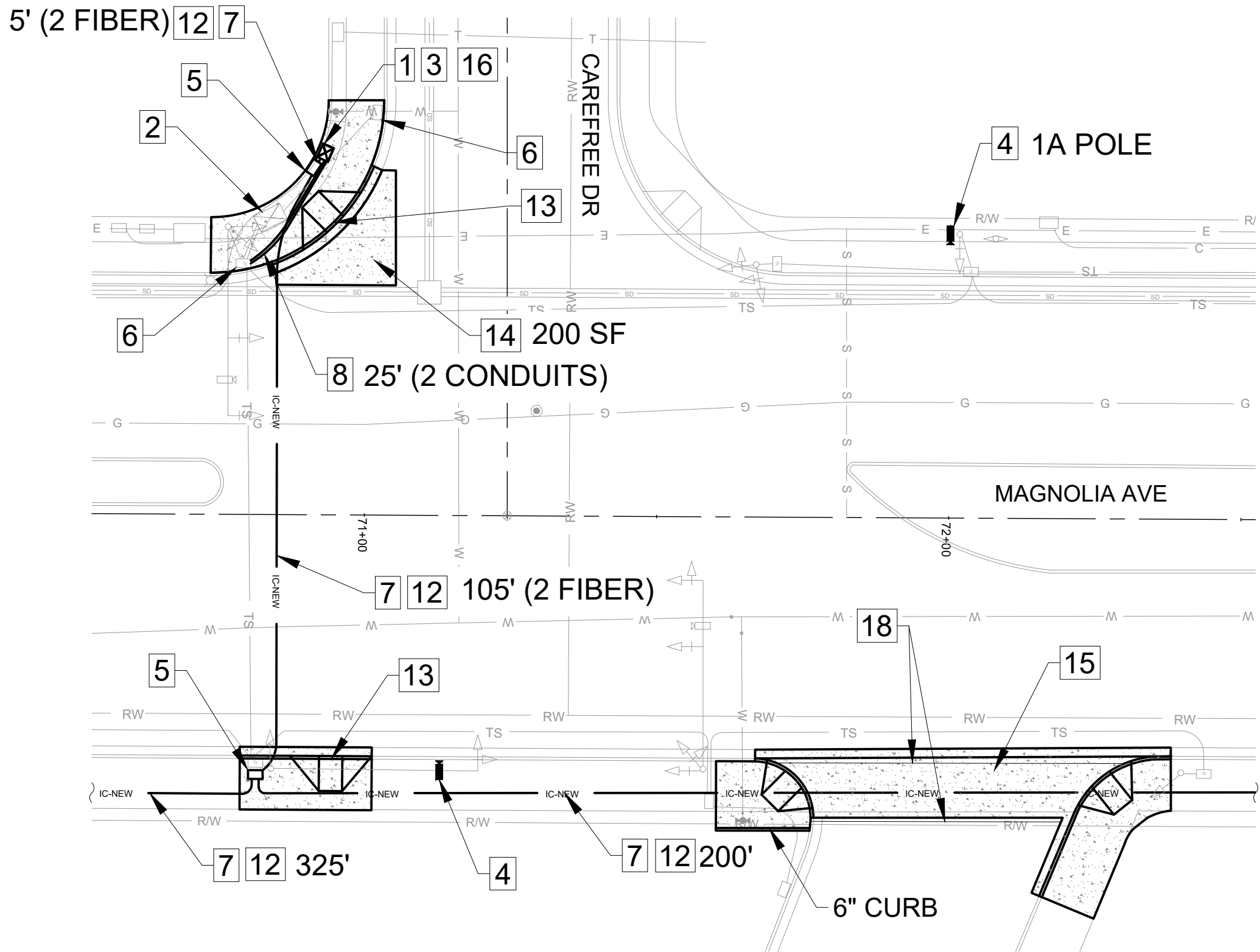
CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF DEVELOPMENT SERVICES	CITY W.O. NO.	DRAWING NO.
CONTRACTOR								HORIZ: N/A	J. MORGAN	J. MORGAN	M. MEI		FIBER OVERVIEW AND EQUIPMENT SCHEDULE FOR:			
INSPECTOR								VERT: N/A	PLANS PREPARED UNDER THE SUPERVISION OF			BY  PROJECT ENGINEER	MAGNOLIA AVE TRAFFIC SIGNAL UPGRADES		CIP 2019-03	2021-289
DATE COMPLETED								NAME	MINJIE MEI	DATE	10/1/2021					
								RCE NO.	59103	EXPIRES	6/30/2023					
																SHEET 2 OF 6



CONSTRUCTION NOTES:

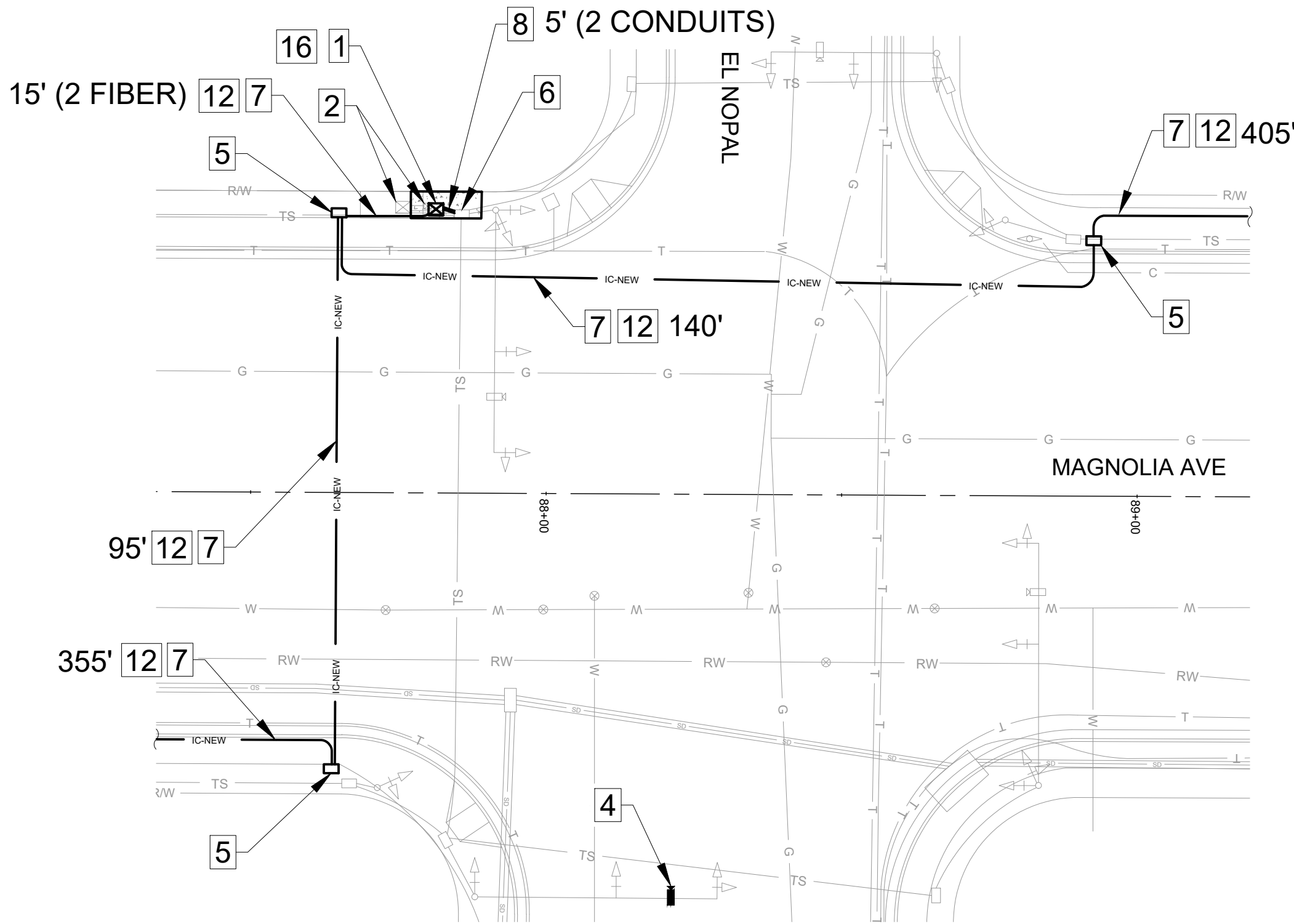
- 1 FURNISH AND INSTALL NEW TRAFFIC SIGNAL CABINET AND/OR ALL SPECIFIED EQUIPMENT AS STATED IN THE EQUIPMENT SCHEDULE. INSTALL NEW TRAFFIC SIGNAL FOUNDATION AND CONCRETE PAD PER CALTRANS STANDARD PLANS ES-3C.
- 2 REMOVE AND SALVAGE EXISTING CABINET AND EQUIPMENT. CONTRACTOR SHALL IDENTIFY AND LABEL ALL EXISTING CONDUCTORS WITHIN THE CABINET PRIOR TO THE CONTROLLER CABINET REMOVAL. DEMO OLD CABINET FOUNDATION AND PAD AROUND CABINET AND REMOVE ALL ABANDONED CONDUITS TO ADJACENT TYPE 6 PULLBOX.
- 3 RE-WIRE INTERSECTION. CONTRACTOR SHALL REMOVE ALL EXISTING SINGLE CONDUCTOR WIRING AND TRAFFIC SIGNAL UNDERGROUND WIRING AND INSTALL NEW MULTI-CONDUCTOR CABLING FOR THE VEHICLE AND PEDESTRIAN HEADS WITH A MINIMUM OF 3 SPARES TO EACH POLE ALONG WITH NEW WIRING FOR THE PEDESTRIAN PUSH BUTTONS, OPTICOM HEADS, SAFETY LIGHTS, IISNS, VIDEO DETECTION AND ANOTHER WIRING REQUIRED AT THE INTERSECTION. CONTRACTOR SHALL ALSO PULL NEW WIRE TO ELECTRICAL SERVICE PEDESTAL.
- 4 FURNISH AND INSTALL VIDEO DETECTION CAMERA AND ASSOCIATED EQUIPMENT PER EQUIPMENT SCHEDULE.
- 5 FURNISH AND INSTALL TYPE 6 PULLBOX (UNLESS OTHERWISE STATED) AND COVER PER CALTRANS STANDARD PLANS ES-8. COVER SHALL BE MARKED WITH "TRAFFIC SIGNAL"
- 6 REPLACE EXISTING PULLBOX WITH TYPE 6 PULLBOX (UNLESS OTHERWISE STATED) AND COVER PER CALTRANS STANDARD PLANS ES-8. COVER SHALL BE MARKED WITH "TRAFFIC SIGNAL"
- 7 INSTALL NEW TRAFFIC SIGNAL COMMUNICATIONS CONDUIT. CONDUIT SIZE SHALL BE 2" UNLESS INDICATED OTHERWISE ON PLAN. THE APPROXIMATE LENGTHS ARE INDICATED ON THE PLAN.
- 8 INSTALL NEW TRAFFIC SIGNAL CONDUIT. CONDUIT SIZE SHALL BE 4" UNLESS OTHERWISE INDICATED ON PLAN. THE APPROXIMATE LENGTHS ARE INDICATED ON THE PLAN.
- 9 FURNISH AND INSTALL NEW 2070LX CONTROLLER AT MAGNOLIA AVE AT MAST BLVD
- 10 INSTALL NEW CONDUIT INTO EXISTING PULLBOX.
- 11 CONNECT TO EXISTING CONDUIT.
- 12 INSTALL 24 STRAND FIBER OPTIC CABLE.
- 13 REMOVE AND REPLACE PEDESTRIAN RAMP PER THE SAN DIEGO REGIONAL STANDARD DRAWINGS G-27 AS INDICATED ON PLANS. 6" CURB INCLUDED ALONG BACK EDGE AS INDICATED OR DIRECTED BY ENGINEER IN FIELD. PEDESTRIAN RAMP SHALL INCLUDE ALL CURB, GUTTER AND SIDEWALK FROM PCR TO PCR UNLESS OTHERWISE INDICATED. CONCRETE LIMITS AS SHOWN ON PLANS. CONTRACTOR SHALL ONLY CLOSE ONE SIDE OF MAGNOLIA AVE (EAST OR WEST) AT A TIME.
- 14 REMOVE AND REPLACE CROSS GUTTER PER SAN DIEGO REGIONAL STANDARD DRAWING G-12. QUANTITY INDICATED ON PLANS.
- 15 REMOVE AND REPLACE DRIVEWAY PER CITY OF SANTEE STANDARD PW-21. WIDTH OF CONCRETE SHALL BE 11.5' FROM LIP OF GUTTER TO ASPHALT DRIVEWAY. CONTRACTOR SHALL REMOVE AND REPLACE 5' OF ASPHALT TO MEET GRADE ON THE DRIVEWAY SIDE AND 3' ON THE STREET SIDE. CONCRETE LIMITS AS SHOWN ON PLANS.
- 16 INSTALL CITY SUPPLIED POLERA IN2 PEDESTRIAN PUSH BUTTON SYSTEM AND IN2 PUSH BUTTONS ON ALL CROSSINGS.
- 17 REPLACE ARROWS LED INDICATIONS IN EXISTING HOUSINGS FOR EB AND WB AND MODIFY TERMINAL BLOCKS WITH THE INTERSECTION REWIRE TO INSTALL A PROTECTED LEFT TURN IN BOTH DIRECTIONS.
- 18 REMOVE AND REPLACE CROSSWALK STRIPING, STOP BARS AND LANE STRIPING.

MAGNOLIA AVE @ CAREFREE DR



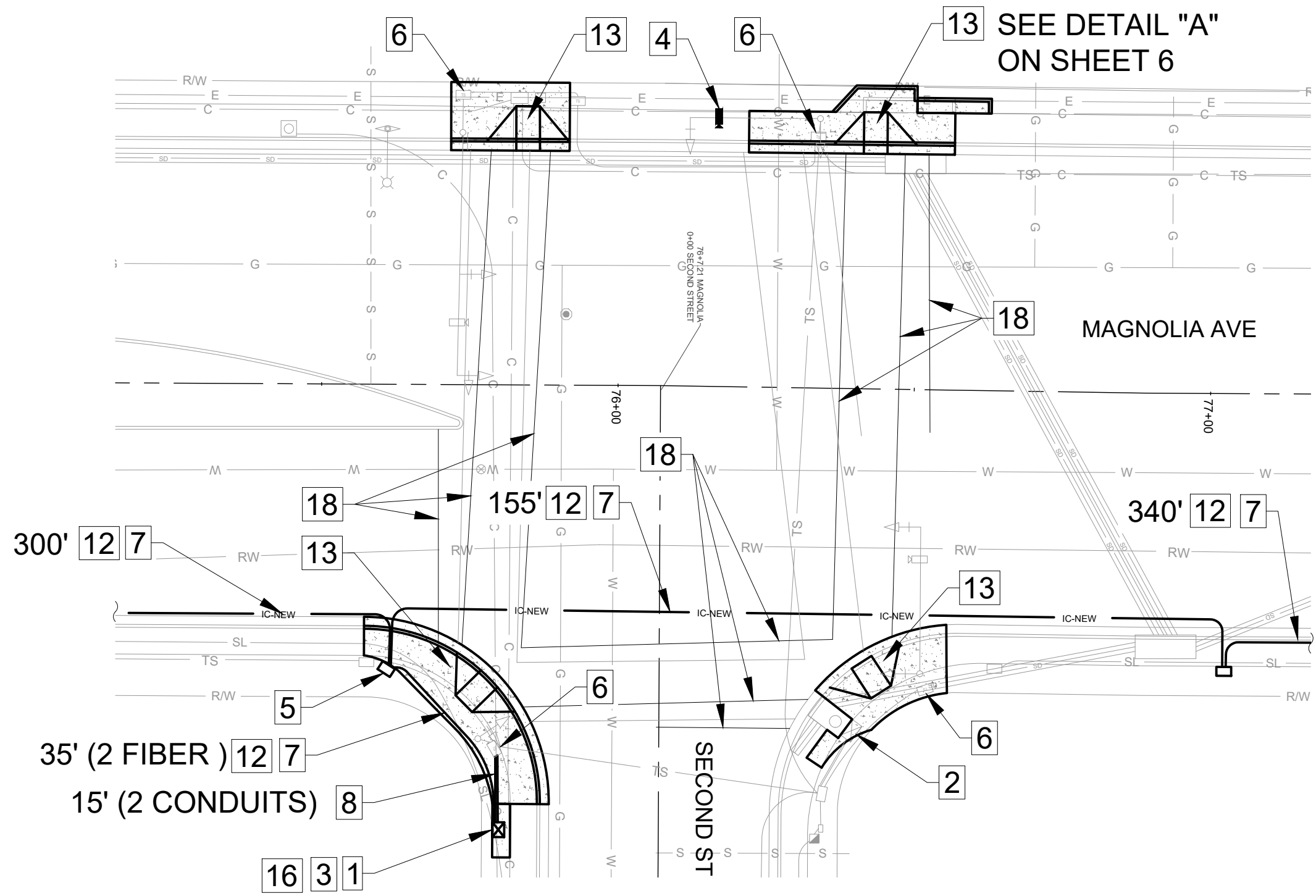
- INTERSECTION NOTES
1. SERVICE CABINET LOCATED 300' SOUTH OF INTERSECTION ON EAST SIDE OF MAGNOLIA AVE.

MAGNOLIA AVE @ EL NOPAL



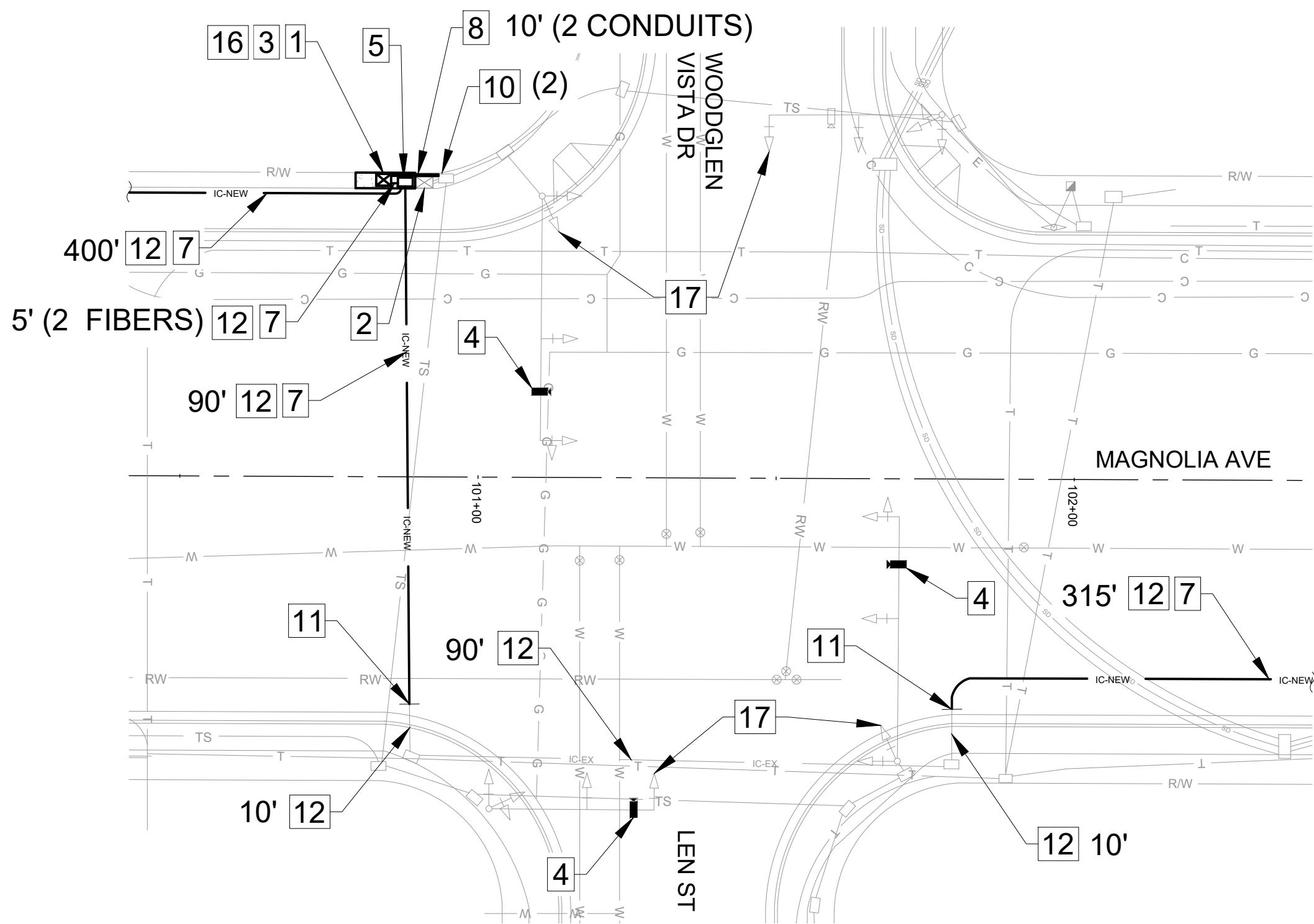
- INTERSECTION NOTES
1. SERVICE CABINET LOCATED 250' SOUTH OF INTERSECTION ON WEST SIDE OF MAGNOLIA AVE
  2. CONTRACTOR SHALL INTERCEPT THE CONDUIT TO THE SERVICE TO THE NEW CABINET LOCATION ON THE NIGHT OF THE INTERSECTION REWIRE AND PLACE NEW PULLBOX

MAGNOLIA AVE @ SECOND ST

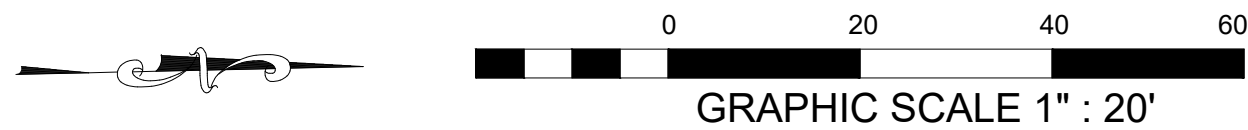


- INTERSECTION NOTES:
1. CONTRACTOR SHALL REMOVE AND REINSTALL ALL CROSSWALKS, STOP BARS, LANE LINES AND ARROWS AS NEEDED TO REALIGN CROSSWALKS TO THE NEW RAMPS

MAGNOLIA AVE @ WOODLGEN VISTA / LEN ST



- INTERSECTION NOTES
1. CONTRACTOR SHALL FURNISH AND REPLACE BOTH EB AND WB OVERHEAD R10-12 SIGNS AND BRACKETS ON MAST ARM WITH A NEW R73-3 (CA) SIGNS AND BRACKETS



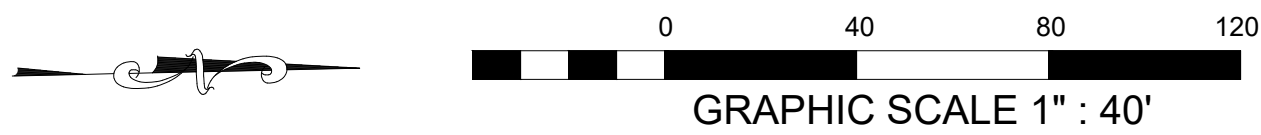
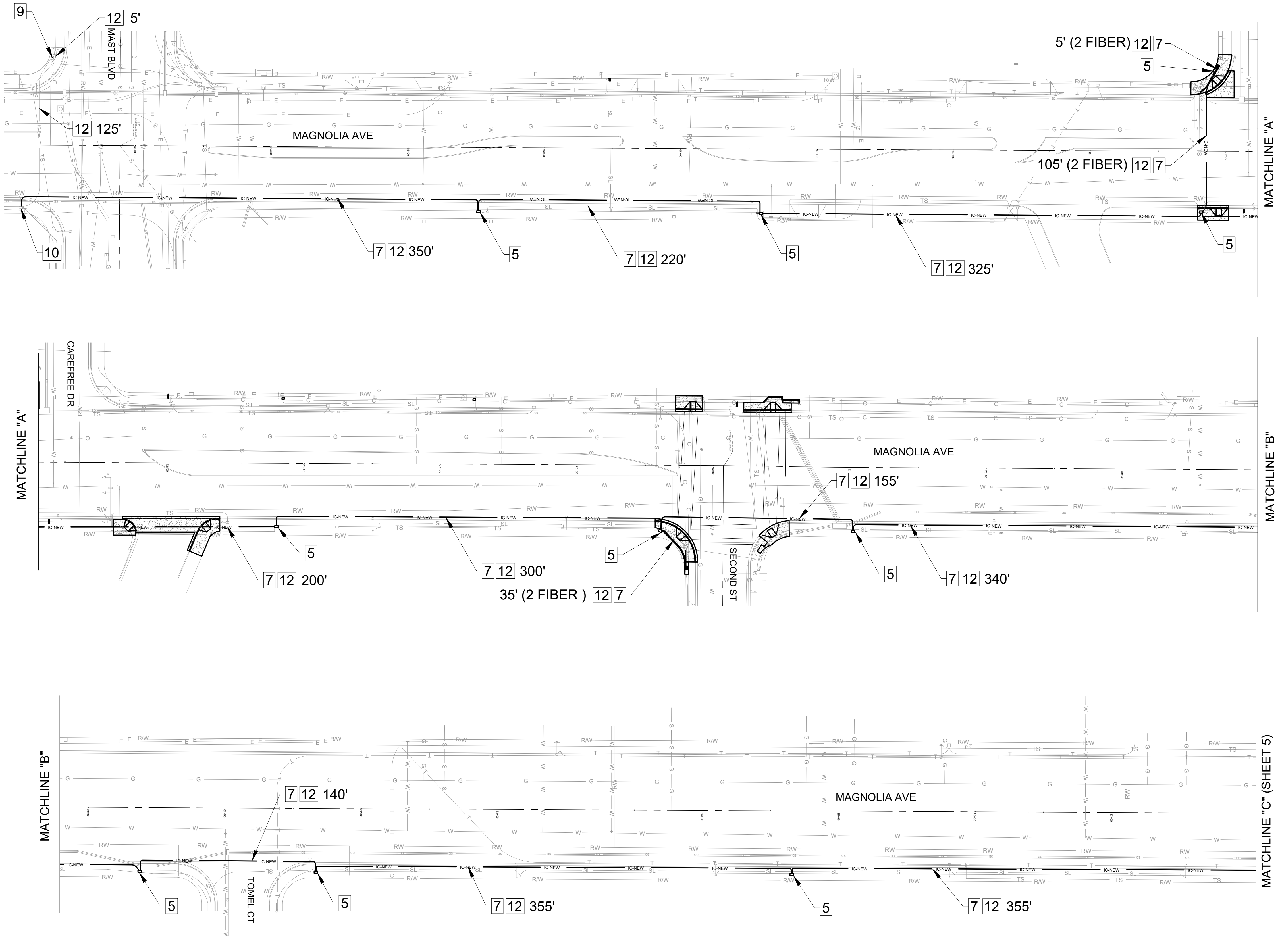
CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF DEVELOPMENT SERVICES	CITY W.O. NO.	DRAWING NO.
CONTRACTOR								HORIZ: 1:20	J. MORGAN	J. MORGAN	M. MEI		INTERSECTION OVERVIEWS FOR:			
INSPECTOR								VERT: N/A	PLANS PREPARED UNDER THE SUPERVISION OF				MAGNOLIA AVE TRAFFIC SIGNAL UPGRADES			2021-290
DATE COMPLETED									NAME: MINJIE MEI	DATE: 10/1/2021					CIP 2019-03	SHEET 3 OF 6
									RCE NO. 59103	EXPIRES: 6/30/2023						



CONSTRUCTION NOTES:

- 1
- FURNISH AND INSTALL NEW TRAFFIC SIGNAL CABINET AND/OR ALL SPECIFIED EQUIPMENT AS STATED IN THE EQUIPMENT SCHEDULE. INSTALL NEW TRAFFIC SIGNAL FOUNDATION AND CONCRETE PAD PER CALTRANS STANDARD PLANS ES-3C.
- 2
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- 5
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- INSTALL NEW TRAFFIC SIGNAL COMMUNICATIONS CONDUIT. CONDUIT SIZE SHALL BE 2" UNLESS INDICATED OTHERWISE ON PLAN. THE APPROXIMATE LENGTHS ARE INDICATED ON THE PLAN.
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- FURNISH AND INSTALL NEW 2070LX CONTROLLER AT MAGNOLIA AVE AT MAST BLVD
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- INSTALL NEW CONDUIT INTO EXISTING PULLBOX.
- 11
- CONNECT TO EXISTING CONDUIT.
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- INSTALL 24 STRAND FIBER OPTIC CABLE.
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- REMOVE AND REPLACE PEDESTRIAN RAMP PER THE SAN DIEGO REGIONAL STANDARD DRAWINGS G-27 AS INDICATED ON PLANS. 6" CURB INCLUDED ALONG BACK EDGE AS INDICATED OR DIRECTED BY ENGINEER IN FIELD. PEDESTRIAN RAMP SHALL INCLUDE ALL CURB, GUTTER AND SIDEWALK FROM PCR TO PCR UNLESS OTHERWISE INDICATED. CONCRETE LIMITS AS SHOWN ON PLANS. CONTRACTOR SHALL ONLY CLOSE ONE SIDE OF MAGNOLIA AVE (EAST OR WEST) AT A TIME.
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- REMOVE AND REPLACE CROSSWALK STRIPING, STOP BARS AND LANE STRIPING.

FIBER CONDUIT RUN OVERVIEW



CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE		DEPARTMENT OF DEVELOPMENT SERVICES	CITY W.O. NO.	DRAWING NO.
CONTRACTOR								HORIZ: 1:40	J. MORGAN	J. MORGAN	M. MEI		FIBER CONDUIT OVERVIEW FOR:				
INSPECTOR								VERT: N/A	PLANS PREPARED UNDER THE SUPERVISION OF				MAGNOLIA AVE TRAFFIC SIGNAL UPGRADES				2021-291
DATE COMPLETED									NAME: MINJIE MEI		10/1/2021						SHEET 4 OF 6
									RCE NO. 59103		EXPIRES 6/30/2023						



CONSTRUCTION NOTES:

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INSTALL NEW CONDUIT INTO EXISTING PULLBOX.
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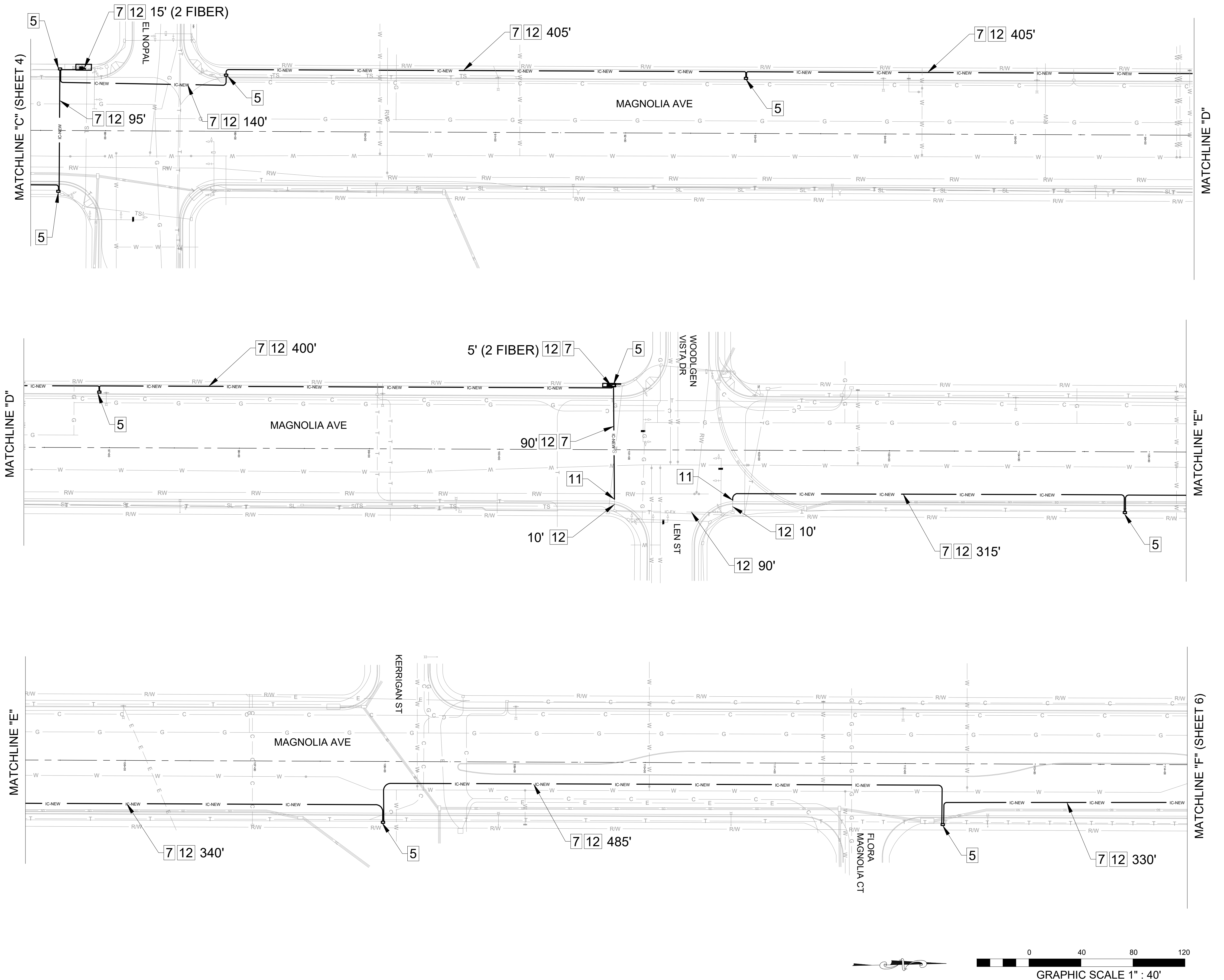
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DATE COMPLETED									NAME: MINJIE MEI		10/1/2021						SHEET 5 OF 6
									RCE NO. 59103		EXPIRES 6/30/2023						



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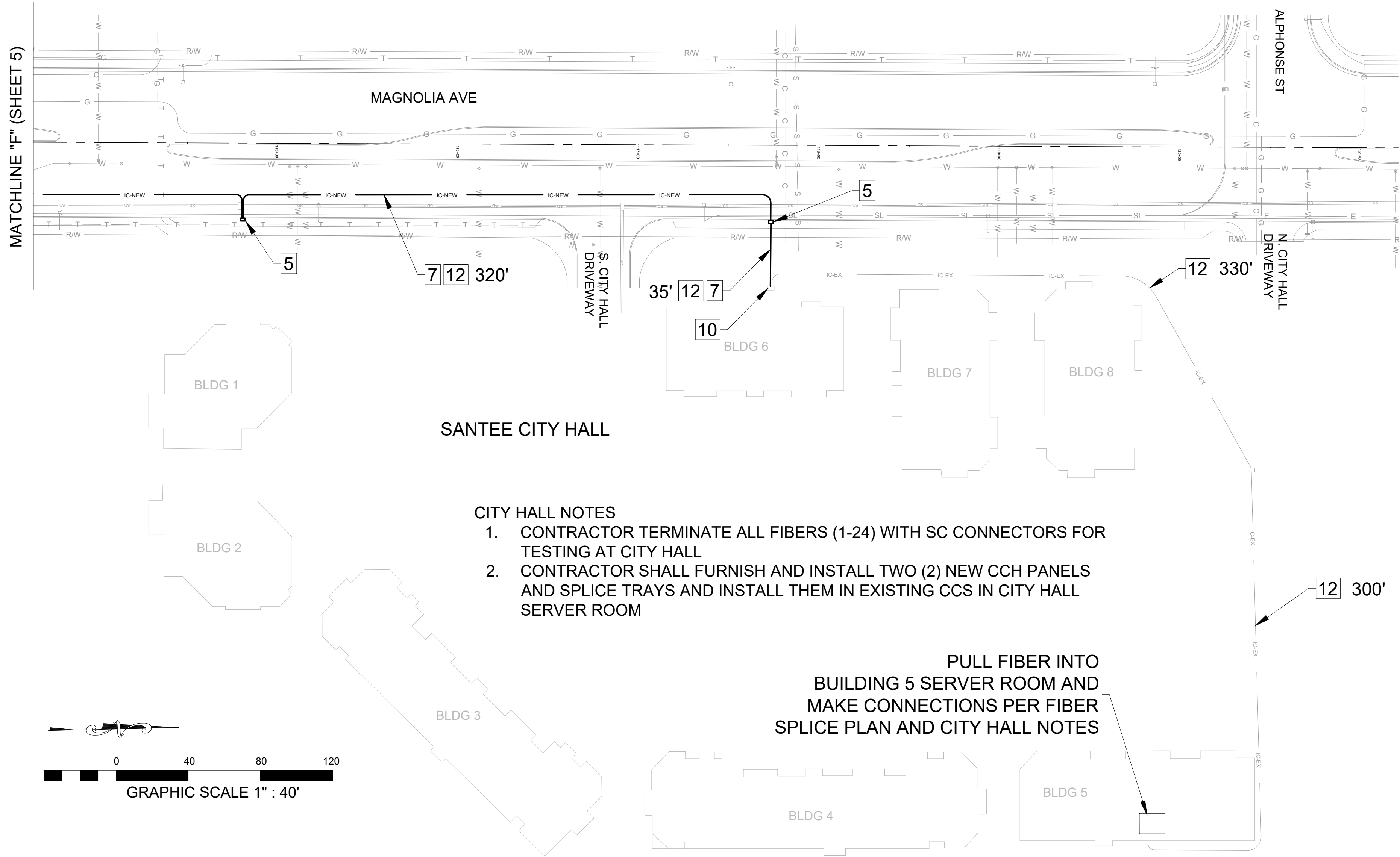
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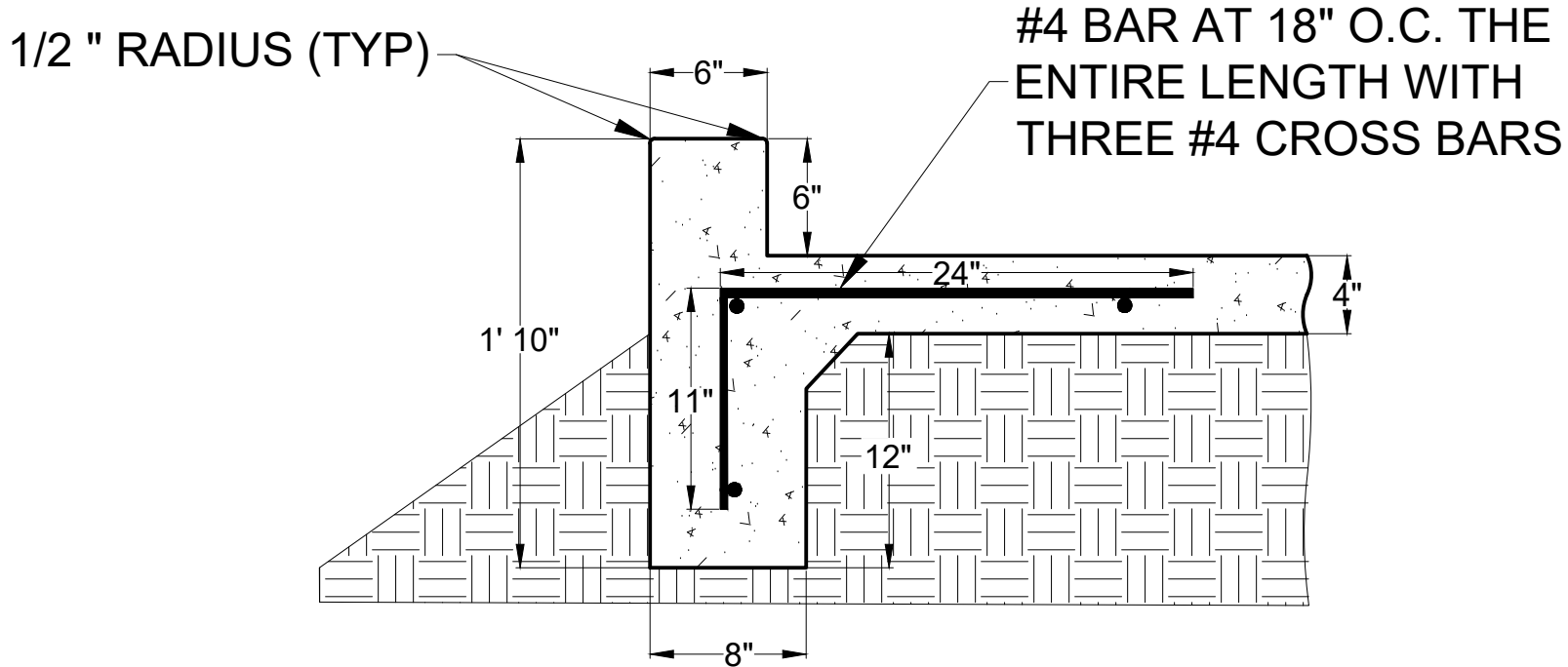
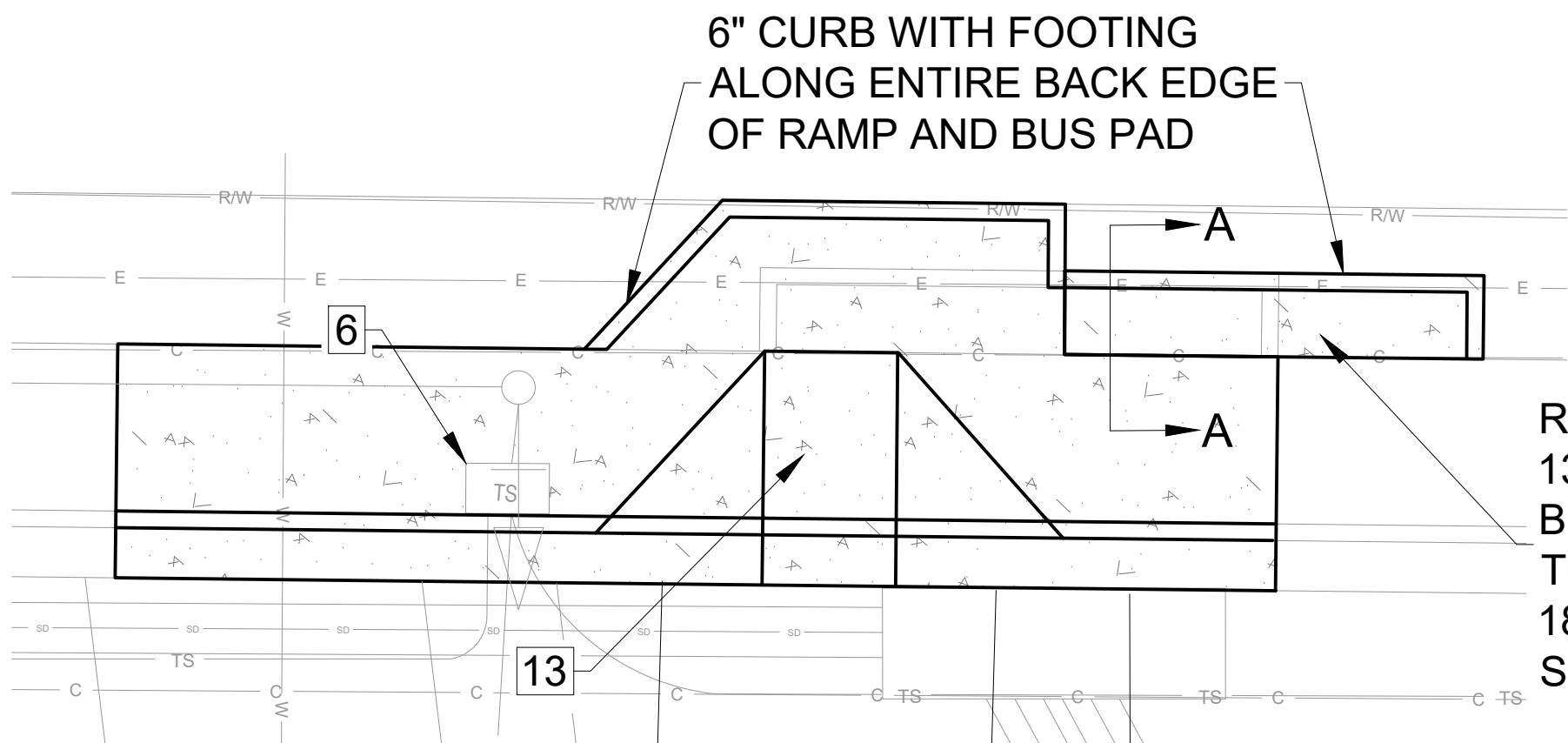
FIBER CONDUIT RUN OVERVIEW



- CITY HALL NOTES
- CONTRACTOR TERMINATE ALL FIBERS (1-24) WITH SC CONNECTORS FOR TESTING AT CITY HALL
  - CONTRACTOR SHALL FURNISH AND INSTALL TWO (2) NEW CCH PANELS AND SPLICE TRAYS AND INSTALL THEM IN EXISTING CCS IN CITY HALL SERVER ROOM


PULL FIBER INTO BUILDING 5 SERVER ROOM AND MAKE CONNECTIONS PER FIBER SPLICE PLAN AND CITY HALL NOTES

DETAIL A: MAGNOLIA AVE AT SECOND ST NORTH WEST CORNER



NORTH WEST CORNER MAGNOLIA AVE AT SECOND ST (SCALE 1":5')

CROSS SECTION A-A:  
6" CURB AND FOOTING  
BACK OF RAMP AND BUS PAD

CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE			DESIGNED BY			DRAWN BY			CHECKED BY			REVIEWED  BY  PROJECT ENGINEER	CITY OF SANTEE	DEPARTMENT OF DEVELOPMENT SERVICES	CITY W.O. NO.	DRAWING NO.	
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INSPECTOR									PLANS PREPARED UNDER THE SUPERVISION OF																
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